DVD VIDEO PLAYER DVP3500

User manual

STOP!

Thank you for choosing Philips.

Need help fast?

Read your Quick Use Guide and/or Owner's Manual first for quick tips that make using your Philips product more enjoyable.
If you have read your instructions and still need assistance, you may access our online help at

www.usasupport.philips.com
or call
1-888-PHILIPS (744-5477)
while with your product.

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Besoin d'une aide rapide?

Les Guide d'utilisation rapide et Manuel de l'utilisateur regorgent d'astuces destinées à simplifier l'utilisation de votre produit Philips. Toutefois, si vous ne parvenez pas à résoudre votre problème, vous pouvez accéder à notre aide en ligne à l'adresse

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ou formez le
1-800-661-6162 (Francophone)
1-888-PHILIPS (744-5477)
(English speaking)
Veillez à avoir votre produit à portée de main.

ALTO!

Gracias por escoger Philips

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Lea primero la Guía de uso rápido o el Manual del usuario, en donde encontrará consejos que le ayudarán a disfrutar plenamente de su producto Philips. Si después de leerlo aún necesita ayuda, consulte nuestro servicio de asistencia en línea en

www.usasupport.philips.com
o llame al teléfono
1-888-PHILIPS (744-5477)
y tenga a mano el producto.

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Return your Product Registration Card today to get the very most from your purchase.

Registering your model with PHILIPS makes you eligible for all of the valuable benefits listed below, so don't miss out. Complete and return your Product Registration Card at once to ensure:

*Proof of Purchase
Returning the enclosed card guarantees that your date of purchase will be on file, so no additional paperwork will be required from you to obtain warranty service.

*Product Safety Notification
By registering your product, you'll receive notification - directly from the manufacturer - in the rare case of a product recall or safety defect.

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Registering your product guarantees that you'll receive all of the privileges to which you're entitled, including special money-saving offers.

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Congratulations on your purchase, and welcome to the "family!"

Dear PHILIPS product owner:

Thank you for your confidence in PHILIPS. You've selected one of the best-built, best-backed products available today. We'll do everything in our power to keep you happy with your purchase for many years to come.

As a member of the PHILIPS "family," you're entitled to protection by one of the most comprehensive warranties and outstanding service networks in the industry. What's more, your purchase guarantees you'll receive all the information and special offers for which you qualify, plus easy access to accessories from our convenient home shopping network.

Most importantly, you can count on our uncompromising commitment to your total satisfaction.

All of this is our way of saying welcome - and thanks for investing in a PHILIPS product.

P.S. To get the most from your PHILIPS purchase, be sure to complete and return your Product Registration Card at once.

Know these **safety** *symbols*

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

This "bolt of lightning" indicates uninsulated material within your unit may cause an electrical shock. For the safety of everyone in your household, please do not remove product covering.

The "exclamation point" calls attention to features for which you should read the enclosed literature closely to prevent operating and maintenance problems.

WARNING: To reduce the risk of fire or electric shock, this apparatus should not be exposed to rain or moisture, and objects filled with liquids, such as vases, should not be placed on this apparatus.

CAUTION: To prevent electric shock, match wide blade of plug to wide slot, fully insert.

ATTENTION: Pour éviter les choc électriques, introduire la lame la plus large de la fiche dans la borne correspondante de la prise et pousser jusqu'au fond.

For Customer Use

Enter below the Serial No. which is located on the rear of the cabinet. Retain this information for future reference.

Model No. _____

Serial No. _____

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IMPORTANT SAFETY INSTRUCTIONS

1. **Read these instructions.**
2. **Keep these instructions.**
3. **Heed all warnings.**
4. **Follow all instructions.**
5. **Do not use this apparatus near water.**
6. **Clean only with dry cloth.**
7. **Do not block any ventilation openings. Install in accordance with the manufacturer´s instructions.**
8. **Do not install near any heat sources** such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. **Do not defeat the safety purpose** of the polarized or grounding-type plug.

A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

10. **Protect the power cord** from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. **Only use attachments/accessories** specified by the manufacturer.
12. **Use only with the cart,** stand, tripod, bracket, or table specified by the manufacturer or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. **Unplug this apparatus** during lightning storms or when unused for long periods of time.
14. **Refer all servicing** to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. **Battery usage CAUTION** – To prevent battery leakage which may result in bodily injury, property damage, or damage to the unit:

- Install **all** batteries correctly, **+** and **-** as marked on the unit.
- Do not mix batteries (**old** and **new** or **carbon** and **alkaline**, etc.).
- Remove batteries when the unit is not used for a long time.

16. **Apparatus shall not be exposed to dripping or splashing.**
17. **Do not place any sources of danger on the apparatus** (e.g. liquid filled objects, lighted candles).
18. This product may contain lead and mercury. Disposal of these materials may be regulated due to environmental considerations. **For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance : www.eiae.org.**

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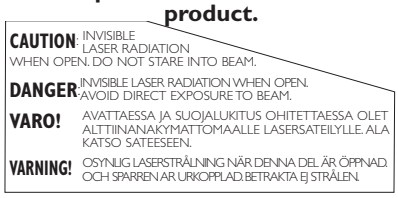
This warning label is located on the rear panel and inside this laser product.


CAUTION: INVISIBLE LASER RADIATION WHEN OPEN. DO NOT STARE INTO BEAM.
DANGER: INVISIBLE LASER RADIATION WHEN OPEN. AVOID DIRECT EXPOSURE TO BEAM.
VARO! AVATTAESSA JA SUOJALUKITUS OHITETTAESSA OLET ALTTIINANAKYMATTOMAALLE LASERSATEILYLLE. ALA KATSO SATEESEEN.
VARNING! OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD. OCH SPARREN AR URKOPPLAD. BETRAKTA EJ STRÅLEN.

or

DANGER - Invisible laser radiation when open. AVOID DIRECT EXPOSURE TO BEAM.

The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on apparatus.

WARNING

To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

Use of controls or adjustments or performance of procedures other than herein may result in hazardous radiation exposure.

The set complies with the FCC-Rules, Part 15 and with 21 CFR 1040.10.

Canada

English:

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus as set out in the Radio Interference Regulations of the Canadian Department of Communications.

Français:

Cet appareil numérique n'emet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de Class B prescrites dans le Règlement sur le Brouillage Radioélectrique édicté par le Ministère des Communications du Canada.

Class II equipment symbol

This symbol indicates that the unit has a double insulation system

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ATTENTION

L'utilisation des commandes ou réglages ou le non-respect des procédures ci-incluses peuvent se traduire par une exposition dangereuse à l'irradiation.

ATENCIÓN

El uso de mando o ajustes o la ejecucción de métodos que no sean los aquí descritos puede ocasionar peligro de exposición a radiación.

Important Note:
Due to the numerous versions of new CD-Audio copy protection or enhanced CD-Audio protection recently available on certain discs, Philips is unable to guarantee that this DVD Player is fully compatible with such new discs. Should you have difficulty playing any such CD-Audio discs, kindly refer them to your CD-Audio disc retailer.

Due to the inconsistency of disc formats provided by various disc manufacturers, your DVD system may require a playability enhancement or upgrade. As DVD technology advances, these enhancements will become common and will be easy to complete.
Go to www.philips.com/support for software upgrade.

'CONSUMERS SHOULD NOTE THAT NOT ALL HIGH DEFINITION TELEVISION SETS ARE FULLY COMPATIBLE WITH THIS PRODUCT AND MAY CAUSE ARTIFACTS TO BE DISPLAYED IN THE PICTURE. IN CASE OF 525 OR 625 PROGRESSIVE SCAN PICTURE PROBLEMS, IT IS RECOMMENDED THAT THE USER SWITCH THE CONNECTION TO THE 'STANDARD DEFINITION' OUTPUT. IF THERE ARE QUESTIONS REGARDING OUR TV SET COMPATIBILITY WITH THIS MODEL 525p AND 625p DVD PLAYER, PLEASE CONTACT OUR CUSTOMER SERVICE CENTER.'

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General Information

Environmental Information

All unnecessary packaging has been omitted. The packaging has been made easy to separate into three materials: cardboard (box), polystyrene foam (buffer) and polyethylene (bags, protective foam sheet).

Your DVD player consists of materials which can be recycled and reused if disassembled by a specialized company. Please observe the local regulations regarding the disposal of packaging materials, exhausted batteries and old equipment.

Laser safety

This unit employs a laser. Due to possible eye injury, only a qualified service person should remove the cover or attempt to service this device.

NOTE:
PICTURES SHOWN MAY BE DIFFERENT BETWEEN COUNTRIES.

CAUTION
(WARNING LOCATION: ON THE BACKPLATE OF THE SET)

NEVER MAKE OR CHANGE CONNECTIONS WITH THE POWER SWITCHED ON.

This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

Manufactured under license from Dolby Laboratories. "Dolby", "Pro-Logic" and the double-D symbol are trademarks of Dolby Laboratories.

For Customer Use:

Read carefully the information located at the rear of your DVD Player and enter below the Serial No. Retain this information for future reference.

Model No. DVP 3500
Serial No. _____

LASER	
Type	Semiconductor laser GaAlAs
Wave length	650 nm (DVD) 780 nm (VCD/CD)
Output Power	7 mW (DVD) 10 mW (VCD/CD)
Beam divergence	60 degree

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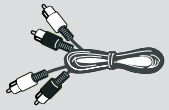
Introduction

English

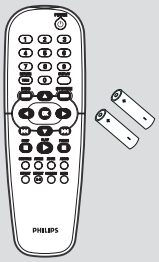
Supplied accessories

Video cable (yellow)

Audio cable (white, red)



Remote Control and two AA batteries



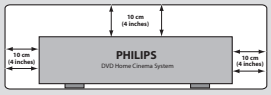
Care and safety information

- **Power consumption**
  – When the system is switched to Standby mode, it is still consuming power. To disconnect the system from the power supply completely, remove the AC power plug from the wall jack.

- **Avoid high temperatures, moisture, water and dust**
  – Do not expose the player, batteries or discs to humidity, rain, sand or excessive heat (caused by heating equipment or direct sunlight.)

- **Avoid condensation problem**
  – The lens may cloud over when the player is suddenly moved from cold to warm surroundings, making it impossible to play a disc. Leave the player in the warm environment until the moisture evaporates.

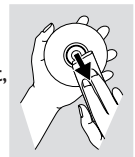
- **Do not block the vents**
  – Do not operate the DVD Player in an enclosed cabinet, allow about 10 cm (4 inches) of free space all around the player for adequate ventilation.



- **Care of the cabinet**
  – Use a soft cloth slightly moistened with a mild detergent solution. Do not use a solution containing alcohol, spirits, ammonia or abrasives.

- **Finding a suitable location**
  – Place the player on a flat, hard, and stable surface.

- **Disc handling**
  – To clean a CD, wipe it in a straight line from the center towards the edge using a soft, lint-free cloth. A cleaning agent may damage the disc!
  – Write only on the printed side of a CDR(W) and only with a soft felt-tipped pen.
  – Handle the disc by its edge, do not touch the surface.



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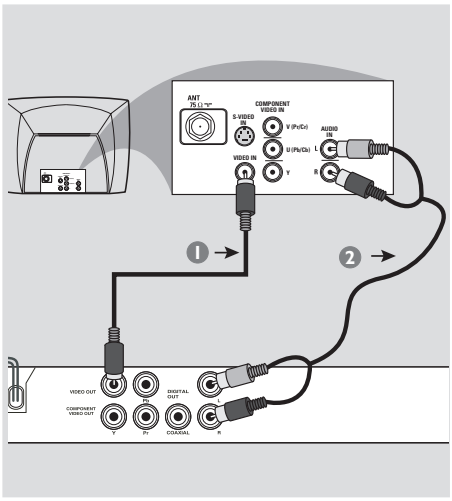
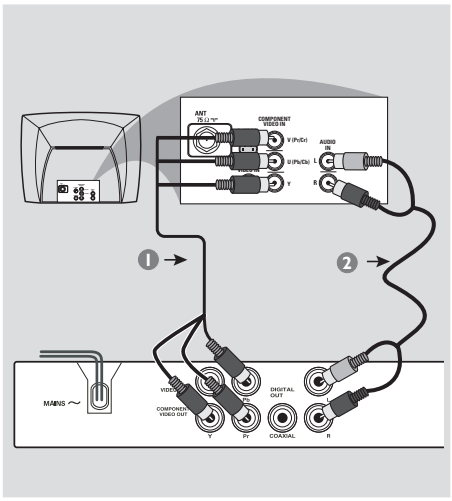
English

Connecting TV





IMPORTANT!
– You only need to make one video connection from the following options, depending on the capabilities of your TV system.
– Connect the DVD Player directly to the TV.

Using Composite Video jacks (CVBS)

1. Use the composite video cable (yellow) to connect the DVD Player's CVBS (VIDEO) jack to the video input jack (or labeled as A/V In, Video In, Composite or Baseband) on the TV *(cable supplied)*.
2. To hear the sound of this DVD Player through your TV, use the audio cables (white/red) to connect AUDIO OUT (L/R) jacks of the DVD Player to the corresponding AUDIO IN jacks on the TV *(cable supplied)*.

IMPORTANT!
– The progressive scan video quality is only possible when using Y Pb Pr and a progressive scan TV is required.

Using Component Video jacks (Y Pb Pr)

1. Use the component video cables (red/blue/green) to connect the DVD system's **Y Pb Pr** jacks to the corresponding Component video input jacks (or labeled as Y Pb Pr) on the TV *(cable not supplied)*.
2. To hear the sound of this DVD Player through your TV, use the audio cables (white/red) to connect AUDIO OUT (L/R) jacks of the DVD Player to the corresponding AUDIO IN jacks on the TV *(cable supplied)*.
3. Proceed to page 17 for detailed Progressive Scan set up.

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Connections

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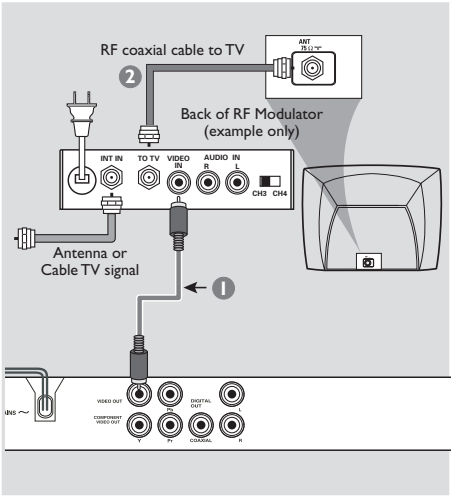
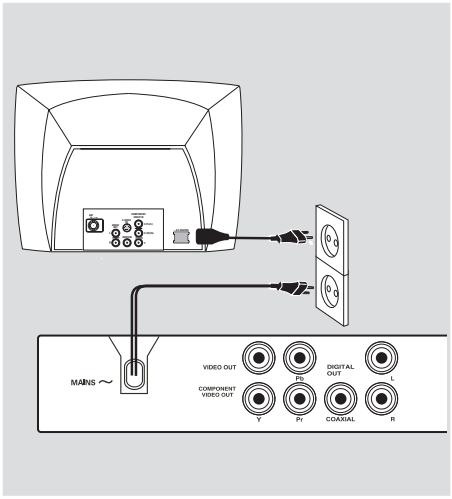


Connecting the power cord



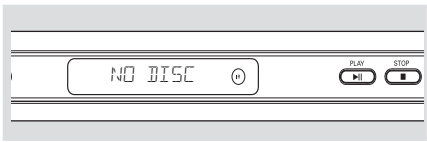
IMPORTANT!
– If your TV only has a single Antenna In jack (or labeled as 75 ohm or RF In,) you will need an RF modulator in order to view the DVD playback on the TV. See your electronics retailer or contact Philips for details on RF modulator availability and operations.

Using an accessory RF modulator

1. Use the composite video cable (yellow) to connect the DVD Player's **CVBS** jack to the video input jack on the RF modulator.
2. Use the RF coaxial cable (not supplied) to connect the RF modulator to your TV's RF jack.

After everything is connected properly, plug in the AC power cord to the power outlet.
Never make or change any connections with the power switched on.

When no disc is loaded, **press STANDBY ON on the DVD Player front panel, "NO DISC" may appear on the display panel.**



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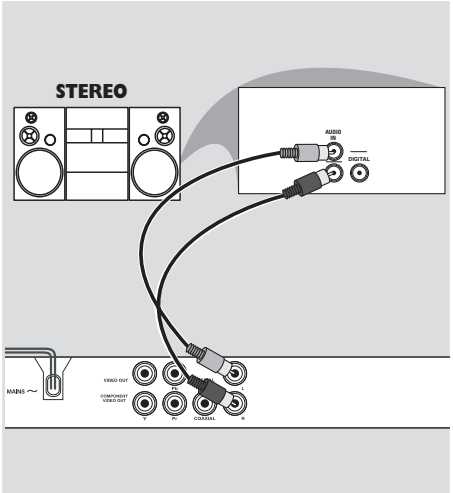
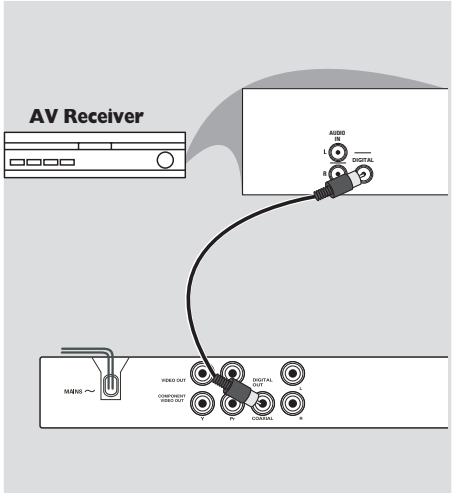
Optional: Connecting to an Audio System



Stereo system has Dolby Pro Logic or Right / Left Audio In jack

1. Select one of the video connections (CVBS VIDEO IN, COMPONENT VIDEO IN) depending on the options available on your TV.
2. Use the audio cables (white/red) to connect **AUDIO OUT (L/R)** jacks of the DVD Player to the corresponding AUDIO IN jacks on the stereo system *(cable supplied)*.

Optional: Connecting Digital AV Receiver



Receiver has a PCM, Dolby Digital, or MPEG2 decoder

1. Select one of the video connections (CVBS VIDEO IN, COMPONENT VIDEO IN) depending on the options available on your TV.
2. Connect the COAXIAL jack of the DVD Player to the corresponding Digital Audio In jack on your Receiver *(cable not supplied)*.
3. Set the DVD Player's Digital Output to PCM-ONLY or ALL depending on the capabilities of your Receiver *(see page 26 "Digital Output")*.

Helpful Hint:
– *If the audio format of the Digital Output does not match the capabilities of your receiver, the receiver will produce a strong, distorted sound or no sound at all.*

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Functional Overview

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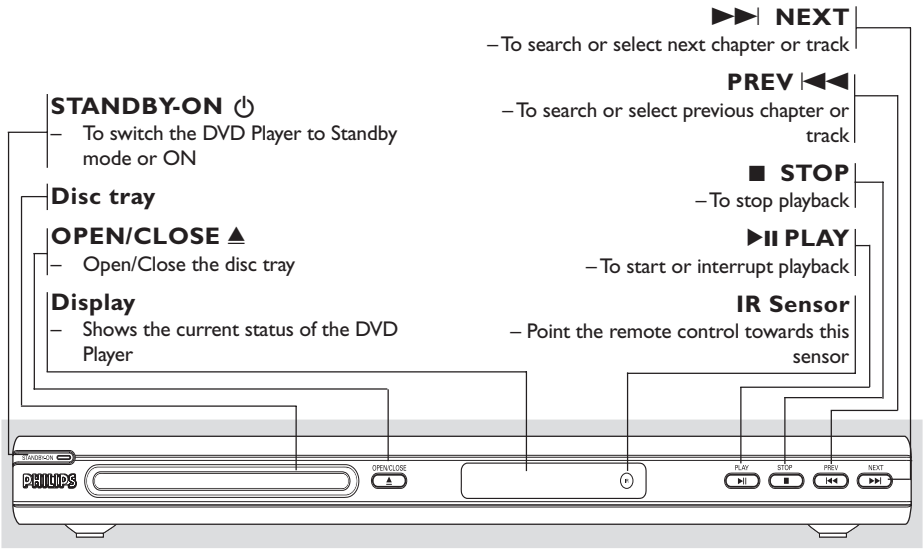
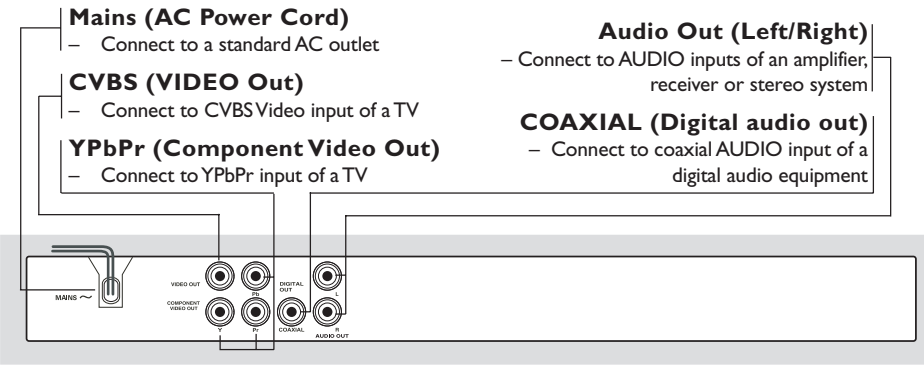
Front and Rear Panels


STANDBY-ON
– To switch the DVD Player to Standby mode or ON
Disc tray
OPEN/CLOSE ▲
– Open/Close the disc tray
Display
– Shows the current status of the DVD Player
▶▶| NEXT
– To search or select next chapter or track
PREV |◀◀
– To search or select previous chapter or track
■ STOP
– To stop playback
▶II PLAY
– To start or interrupt playback
IR Sensor
– Point the remote control towards this sensor
PHILIPS


Mains (AC Power Cord)
– Connect to a standard AC outlet
CVBS (VIDEO Out)
– Connect to CVBS Video input of a TV
YPbPr (Component Video Out)
– Connect to YPbPr input of a TV
Audio Out (Left/Right)
– Connect to AUDIO inputs of an amplifier, receiver or stereo system
COAXIAL (Digital audio out)
– Connect to coaxial AUDIO input of a digital audio equipment
MAINS
VIDEO OUT
COMPONENT VIDEO OUT
DIGITAL OUT
COAXIAL
AUDIO OUT

Caution: Do not touch the inner pins of the jacks on the rear panel. Electrostatic discharge may cause permanent damage to the unit.

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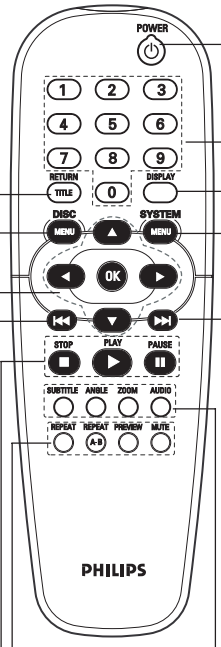
English

Remote Control



RETURN / TITLE
– To go back to previous menu / show title menu

DISC MENU
– Enters or exits the disc contents menu
– Switches on or off the playback control mode (for VCD version 2.0 only)

◄ ► ▲ ▼
– Selects an item in the menu/ fast backward/forward, slow forward

OK
– Acknowledge menu selection

|◄◄
– To select previous chapter or track

STOP (■)
– To stop playback

PLAY (►)
– To start playback

PAUSE (II)
– To pause playback temporarily / frame-by-frame playback

REPEAT
– Selects various repeat modes

REPEAT (A-B)
– Repeats playback a specific section on a disc

PREVIEW
– Not applicable for this model

MUTE
– Disables or enables sound output

POWER ⏻
– To switch the DVD player to standby mode or ON

0-9 numerical key pad
– Selects numbered items in a menu

DISPLAY
– Displays information on TV screen during playback

SYSTEM MENU
– Access or exit DVD Player's system menu

►►|
– To select next chapter or track

SUBTITLE
– To access subtitle language in disc menu

ANGLE
– Selects a DVD camera angle

ZOOM
– Enlarge a picture on the TV screen

AUDIO
– To access audio language in disc menu

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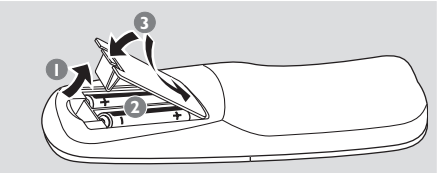
Getting Started

Step 1: Inserting batteries into the Remote Control



1. Open the battery compartment.
2. Insert two batteries type R06 or AA, following the indications (+ −) inside the compartment.
3. Close the cover.

Using the Remote Control to operate the Player

1. Aim the Remote Control directly at the remote sensor (IR) on the front panel.
2. Do not put any objects between the Remote Control and the DVD Player while operating the DVD Player.

CAUTION!
– Remove batteries if they are exhausted or if the Remote Control is not being used for a long time.
– Do not use old and new or different types of batteries in combination.
– Batteries contain chemical substances, so they should be disposed properly.

Step 2: Setting up the TV

IMPORTANT!
Make sure you have completed all the necessary connections. (See pages 11-12 "Connecting TV").

1. Turn on the TV and set to the correct video-in channel. You should see the Philips DVD background screen on the TV.
2. Usually these channels are between the lowest and highest channels and may be called FRONT, A/V IN, or VIDEO. See your TV manual for more details.
   ➜ Or, you may go to channel 1 on your TV, then press the Channel down button repeatedly until you see the Video In channel.
   ➜ Or, the TV Remote Control may have a button or switch that chooses different video modes.
   ➜ Or, set the TV to channel 3 or 4 if you are using an RF modulator.
3. If you are using external equipment, (eg. audio system or receiver), turn it on and select the appropriate input source for the DVD Player output. Refer to the equipment owner's manual for detail.

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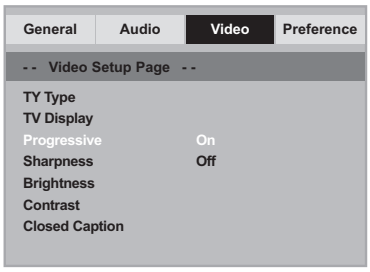
English

Setting up Progressive Scan feature (for Progressive Scan TV only)

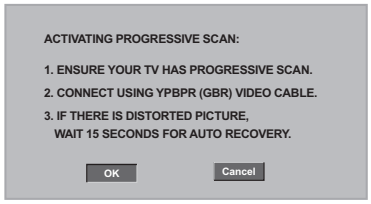
The progressive scan display twice the number of frames per seconds than interlaced scanning (ordinary normal TV system). With nearly double the number of lines, progressive scan offers higher picture resolution and quality.

IMPORTANT!
Before enabling the progressive scan feature, you must ensure:
1) Your TV can accept progressive signals, a progressive scan TV is required.
2) You have connected the DVD player to your TV using Y Pb Pr (see page 11.)

1. Turn on your TV.
2. Turn off your TV progressive scan mode or turn on interlaced mode (refer to your TV user manual.)
3. Press **POWER** on the remote control to turn on the DVD player.
4. Select the correct Video Input channel. (See page 16).
   ➜ The DVD background screen appears on the TV.
5. Press **SYSTEM MENU**.
6. Press ▶ repeatedly to select {VIDEO SETUP PAGE}.



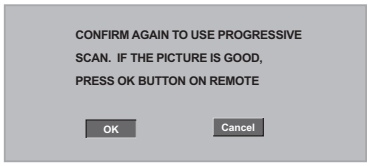
7. Select {PROGRESSIVE} to {ON}, then **OK** to confirm.
   ➜ The instruction menu appears on the TV.


ACTIVATING PROGRESSIVE SCAN:
1. ENSURE YOUR TV HAS PROGRESSIVE SCAN.
2. CONNECT USING YPBPR (GBR) VIDEO CABLE.
3. IF THERE IS DISTORTED PICTURE,
WAIT 15 SECONDS FOR AUTO RECOVERY.
OK
Cancel

8. Press ◀ to highlight OK in the menu and press **OK** to confirm.

   There will be a distorted picture on your TV at this state until you turn on the progressive scan mode on your TV.

9. Turn on your TV progressive scan mode (refer to your TV user manual.)
   ➜ The below menu appears on the TV.



10. Press ◀ to highlight OK in the menu and press **OK** to confirm.
    ➜ The set up is complete now and you can start enjoy the high quality picture.

TIPS: To return to the previous menu, press ◀.
To remove the menu, press **SYSTEM MENU**.

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Getting Started

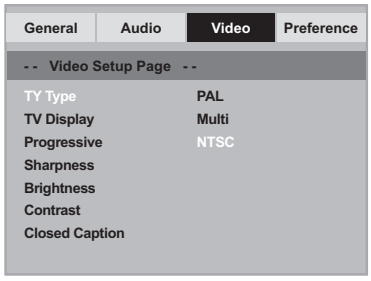
To deactivate Progressive manually

- **When the distorted picture still appears on the TV,** it may be due to the connected TV does not accept progressive signals, and progressive is set by mistake. You must reset the unit to interlace format.

1. **Turn off** your TV progressive scan mode or turn on to interlaced mode (refer to your TV user manual.)
2. Press **OPEN/CLOSE** on the DVD player to open the disc tray.
3. Press **numeric keypad '1'** on the remote control for few seconds.
   ➜ The DVD blue background screen will appear on the TV.

Selecting the colour system that corresponds to your TV

This DVD Player is compatible with both NTSC and PAL. In order for a DVD disc to play on this Player, the colour system of the Disc, the TV and the DVD Player should match.



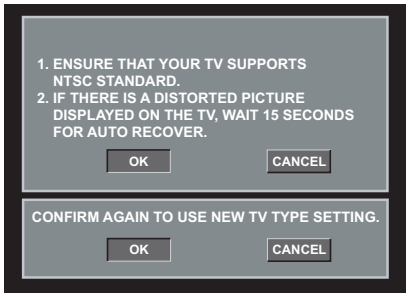
1. Press **SYSTEM MENU**.
2. Press ▶ repeatedly to select {VIDEO SETUP PAGE}.
3. Press ▲ ▼ to highlight {TV TYPE}, then press ▶.
4. Press ▲ ▼ to highlight one of the options below:

   PAL – Select this if the connected TV is PAL system. It will change the video signal of a NTSC disc and output in PAL format.

   NTSC – Select this if the connected TV is NTSC system. It will change the video signal of a PAL disc (VCD only) and output in NTSC format.

   Multi – Select this if the connected TV is compatible with both NTSC and PAL (multi-system). The output format will be in accordance with the video signal of the disc.
5. Select an item and press **OK**.

Helpful Hints:
– Before changing the current TV Standard setting, ensure that your TV supports the 'selected TV Type' system.
– If there is no proper picture on your TV, wait for 15 seconds for auto recovery.


1. ENSURE THAT YOUR TV SUPPORTS NTSC STANDARD.
2. IF THERE IS A DISTORTED PICTURE DISPLAYED ON THE TV, WAIT 15 SECONDS FOR AUTO RECOVER.
OK
CANCEL
CONFIRM AGAIN TO USE NEW TV TYPE SETTING.
OK
CANCEL

TIPS: To return to the previous menu, press ◀.
To remove the menu, press **SYSTEM MENU**.

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Step 3: Setting language preference

You can select your preferred language settings. This DVD Player will automatically switch to the language for you whenever you load a disc.

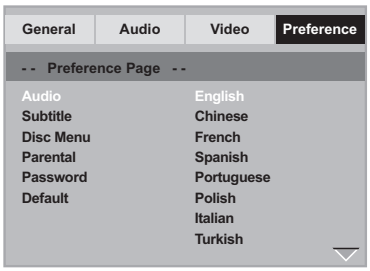
Setting the OSD Language

The On-screen language for the system menu will remain as you set it, regardless of various disc languages.

1. Press **SYSTEM MENU**.
2. Press ▶ to select {GENERAL SETUP PAGE}.
3. Press ▲▼ to highlight {OSD LANGUAGE}, then press ▶.
4. Press ▲▼ to select a language and press **OK**.

Setting the Audio, Subtitle and Disc menu language

You can choose your own preferred language or soundtrack from audio, subtitles and disc menu languages. If the language selected is not available on the disc, the disc's default language will be used instead.



1. Press **STOP** twice then, press **SYSTEM MENU**.
2. Press ▶ repeatedly to select {PREFERENCE PAGE}.
3. Press ▲▼ to highlight one of the options below at a time, then press ▶.
   – 'Audio' (disc's soundtrack)
   – 'Subtitle' (disc's subtitles)
   – 'Disc Menu' (disc's menu)
4. Press ▲▼ to select a language and press **OK**.

   If the language you want is not in the list, then select {OTHERS}**,** then use the **numeric keypad (0-9)** on the remote to enter the 4-digit language code 'XXXX' (see page 100 "Language Code") and press **OK**.
5. Repeat steps 3~4 for other language settings.

TIPS: To return to the previous menu, press ◀.
To remove the menu, press **SYSTEM MENU**.

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Disc Operations

English

IMPORTANT!
– If the inhibit icon (ø) appears on the TV screen when a button is pressed, it means the function is not available on the current disc or at the current time.
– Depending on the DVD or VIDEO CD, some operations may be different or restricted.
– Do not push on the disc tray or put any objects other than disc on the disc tray. Doing so may cause the disc player malfunction.

Playable Discs

Your DVD Player will play:
– Digital Versatile Discs (DVDs)
– Video CDs (VCDs)
– Super Video CDs (SVCDs)
– Digital Video Discs + Recordable[Rewritable] (DVD+R[W])
– Compact Discs (CDs)
– MP3 discs, picture (Kodak, JPEG) files on CD-R(W).
  – JPEG/ISO 9660 format
  – Maximum 30 characters display.
  – Supported sampling frequencies : 32 kHz, 44.1 kHz, 48 kHz (MPEG-1) 16 kHz, 22.05 kHz, 24 kHz (MPEG-2)
  – Supported Bit-rates : 32~256 kbps (MPEG-1), 8~160 kbps (MPEG-2) variable bitrates

Region Codes

DVD discs must be labeled for ALL regions or Region 1 in order to play on this Player. You cannot play Discs that are labeled for other regions.

Helpful Hints:
– It may not be possible to play CD-R/RW or DVD-R/RW in all cases due to the type of disc or condition of the recording.
– If you are having trouble playing a certain disc, remove the disc and try a different one. Improper formatted disc will not play on this DVD Player.

Playing discs

1. Connect the power cords of the DVD Player and TV (and any optional stereo or AV receiver) to a power outlet.
2. Turn on the TV power and set to the correct Video In channel. (See page 16 "Setting up the TV").
3. Press **STANDBY-ON** on the DVD Player front panel.
   ➜ You should see the Philips DVD background screen on the TV.
4. Press **OPEN/CLOSE ⏏** button to open the disc tray and load in a disc, then press the same button again to close the disc tray.
   ➜ Make sure the label side is facing up. For double-sided discs, load the side you want to play facing up.
5. Playback will start automatically. If not press **PLAY ►**.
   ➜ If a disc menu appears on the TV, see page 22 "Using the Disc Menu".

TIPS: The operating features described here might not be possible for certain discs. Always refer to the instructions supplied with the discs.

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Basic playback controls

Unless otherwise stated, all operations described are based on Remote Control use.

Pausing playback

1. During playback, press **PAUSE II**.
   ➜ Playback will pause and sound will be muted.
2. To resume normal playback, press **PLAY ►**.

Selecting track/chapter

1. Press ►►| / |◄◄ briefly during playback to go to the next chapter/track or to return to the beginning of the current chapter/track respectively.
2. To go directly to any chapter/track, enter the chapter/track number using the numerical keys (0-9).
   (e.g. single number of chapter/track with digit '0' in front, for example '06')

- For DVD
  ➜ Press |◄◄ twice briefly to step back to the previous chapter/track.
- For VCD
  ➜ It cannot work when PBC is set to 'ON'.

Searching backward/forward

1. Press ◄► during playback to select the required speed: 2X, 4X, 8X, 16X or 32X (backward or forward).
   ➜ Sound will be muted (DVD/VCD) or intermittent (CD).
2. To return to normal speed, press **PLAY ►**.

Stopping playback

- Press ■.

Selecting various repeat/shuffle functions

Repeat play mode

- Press **REPEAT** continuously to choose a Repeat mode during playback.

  CHAPTER (DVD)
  – to repeat playback of the current chapter.

  TRACK/TITLE (SVCD/VCD/DVD)
  – to repeat playback of the current track (SVCD/VCD)/title (DVD).

  ALL
  – to repeat playback of the disc.

- Press **REPEAT** repeatedly to cancel the repeat mode.

Helpful Hint:
– *REPEAT function is not available for VCD 2.0 when PCB is on.*

Repeating a section within a chapter/track

1. While playing a disc, press **REPEAT A-B** at your chosen starting point.
2. Press **REPEAT A-B** again at your chosen end point.
   ➜ The section A and B can be set only within the same chapter/track.
   ➜ The section will now repeat continuously.
3. To exit the sequence, press **REPEAT A-B**.

TIPS: The operating features described here might not be possible for certain discs. Always refer to the instructions supplied with the discs.

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Disc Operations

Operations for video playback (DVD/VCD/SVCD)

Using the Disc Menu

Depending on the disc, a menu may appear on the TV screen once you load in the disc.

To select a playback feature or item

- Use ◄► ▲▼ keys or **numeric keypad (0-9)** on the remote, then press **OK** to start playback.

To access or remove the menu

- Press **DISC MENU** on the remote.

Zooming in

This function allows you to enlarge the picture on the TV screen and to pan through the enlarged picture.

1. During playback, press **ZOOM** repeatedly to display the picture with different scales.
   ➜ Use ◄► ▲▼ keys to pan through the enlarged picture.
   ➜ Playback will continue.
2. Press **ZOOM** repeatedly to return to the original size.

Resuming playback from the last stopped point

- In stop mode and when the disc has not been ejected, press **PLAY** ►.

To cancel resume mode

- In stop mode, press **STOP** ■ again.

Helpful Hint:
– *Resume option may not be available on some discs.*

OSD (On-Screen Display)

This function displays disc information on the TV screen during playback.

1. During playback, press **DISPLAY** repeatedly.
   ➜ A list of available disc information appears on the TV screen.
2. Use ◄► keys to select an option.
3. Enter hours, minutes and seconds from left to right in the time edit box using remote control numerical key pad.
   ➜ Playback will change to the chosen time or to the selected title/chapter/track.

For DVD

➜ {Title CT:TT Chapter XX/TC}: displays the total available title and chapters in the disc and enable to select a chapter for viewing.
➜ {Title CT:TT Time X:XX:XX}: displays the total available title in the disc and enable to select the hour, minute and second of the title.
➜ {Chapter CC:TC Time X:XX:XX}: displays the total available chapter in the disc and enable to select the hour, minute and second of the chapter.

For Super VCD or VCD

➜ {Disc Go To XX:XX}: enable to select any part within the disc.
➜ {Track Go To XX:XX}: enable to select any part within the current track.
➜ {Select Track XX:TT}: enable to select any track.

TIPS: The operating features described here might not be possible for certain discs. Always refer to the instructions supplied with the discs.

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Special DVD Features

Playing a Title

1. Press **DISC MENU**.
   ➜ The disc menu appears on the TV screen.
2. Use ▲▼◄► keys or **numeric keypad (0-9)** to select a play option.
3. Press **OK** key to confirm.

Camera Angle

- Press **ANGLE** repeatedly to select different desired angle.

Changing the Audio Language

For DVD

- Press **AUDIO** repeatedly to select different audio languages.

Changing the Audio Channel

For VCD

- Press **AUDIO** to select the available audio channels provided by the disc (MONO LEFT, MONO RIGHT, MIX-MONO, STEREO).

Subtitles

- Press **SUBTITLE** repeatedly to select different subtitle languages.

Special VCD & SVCD Features

Playback Control (PBC)

For VCD with Playback Control (PBC) feature (version 2.0 only)

- Press **DISC MENU** to toggle between 'PBC ON' and 'PBC OFF'.
  ➜ If you select 'PBC ON', the disc menu (if available) will appear on the TV.
  ➜ Use the |◄◄ / ►►| or the numeric keypad (0-9) to select a play option.
- During playback, pressing **RETURN/ TITLE** will return to the menu screen (if PBC is on).

If you want to skip the index menu and playback directly from the beginning,

- Press **DISC MENU** key on the remote control to switch to PBC off.

TIPS: The operating features described here might not be possible for certain discs. Always refer to the instructions supplied with the discs.

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Disc Operations

Playing MP3/JPEG (Kodak) Picture CD

IMPORTANT!
You have to turn on your TV and set to the correct Video In channel. (See page 16 "Setting up the TV").

- Load a Picture disc (Kodak Picture CD, JPEG).
  ➜ For Kodak disc, the slide show will begin.
  ➜ For JPEG disc, the picture menu appears on the TV screen. Press **PLAY ►** to start the slide-show playback.

General Operation

1. Load an MP3/JPEG Picture CD disc.
   ➜ The data disc menu appears on the TV screen.
2. Press ▲▼ to select the folder and press **OK** to open the folder.

3. Press ▲▼ or use the numeric keypad (0-9) to highlight an option.
4. Press **OK** to confirm.
   ➜ Playback will start from the selected file to the end of the folder.

Playback selection

During playback, you can;

- Press |◄◄ / ►►| to select another track/ file in the current folder.
- Press ❚❚ / ► to pause/resume playback.

Repeat

- Press **REPEAT** continuously to access different 'Play Mode'.
  ➜ SHUFFLE: all files in the current folder being played at random order.
  ➜ SINGLE: play the selected file once, then return to the menu.
  ➜ REPEAT ONE: keep a JPEG image still on the screen or play an MP3 file repeatedly.
  ➜ REPEAT FOLDER: play all files in the selected folder repeatedly.
  ➜ FOLDER: play all files in the selected folder.

Fast forward / reverse (MP3)

- During playback, press ◄► to fast forward or reverse playback.
- To resume normal playback, press **PLAY ►**.

TIPS: The operating features described here might not be possible for certain discs. Always refer to the instructions supplied with the discs.

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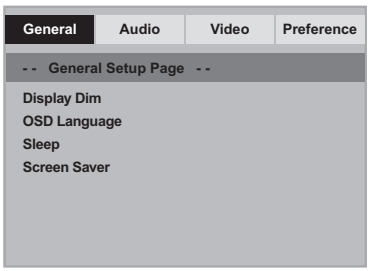
DVD Setup Menu Options

English

This DVD Player setup is carried out via the TV, enabling you to customise the DVD Player to suit your particular requirements.

General Setup menu

1. In disc mode, press **SYSTEM MENU**.
2. Press ◄► to select 'General Setup' icon.
3. Press **OK** to confirm.



Dimming player's display panel

You can select different levels of brightness for the display screen.

1. In 'GENERAL SETUP PAGE', press ▲▼ to highlight {DISPLAY DIM}, then press ►.

100%
Select this for full brightness.

70%
Select this for medium brightness.

40%
Select this for dimming the display.

2. Press ▲▼ to select a setting, then press **OK** to confirm your selection.

OSD Language

This menu contains various language options for display language on the screen. For details, see page 19.

Sleep

Sleep function allows you to turn off the DVD Player automatically after a preset time.

1. In 'GENERAL SETUP PAGE', press ▲▼ to highlight {SLEEP}, then press ►.

15 Mins
Turn off the DVD Player after 15 minutes.

30 Mins
Turn off the DVD Player after 30 minutes.

45 Mins
Turn off the DVD Player after 45 minutes.

60 Mins
Turn off the DVD Player after 60 minutes.

OFF
Turn off the sleep function.

2. Press ▲▼ to select a setting, then press **OK** to confirm your selection.

Screen Saver - turning on/off

The screen saver will help to prevent your TV display device from becoming damaged.

1. In 'GENERAL SETUP PAGE', press ▲▼ to highlight {SCREEN SAVER}, then press ►.

ON
Select this if you wish to turn off the TV screen when disc playback is stopped or paused for more than 5 minutes.

OFF
Select this to disable the screen saver function.

2. Press ▲▼ to select a setting, then press **OK** to confirm your selection.

TIPS: To return to the previous menu, press ◄.
To remove the menu, press **SYSTEM MENU**.

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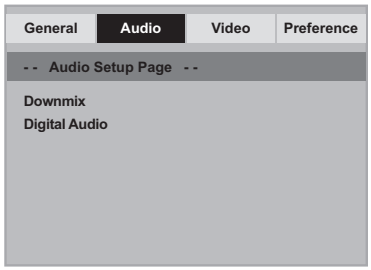
DVD Setup Menu Options

Audio Setup Menu

1. In disc mode, press **SYSTEM MENU**.
2. Press ◄► to select 'Audio Setup' icon.
3. Press **OK** to confirm.



Setting the Downmix

This options allows you to set the stereo analog output of your DVD Player.

1. In 'AUDIO SETUP PAGE', press ▲▼ to highlight {DOWNMIX}, then press ►.

STEREO
Select this to change channel output to stereo which delivers sound from only the two front speakers.

LT/RT
Select this option if your DVD Player is connected to a Dolby Pro-Logic decoder.

2. Press ▲▼ to select a setting, then press **OK** to confirm your selection.

Digital Audio Setup

The options included in Digital Audio Setup are: 'Digital Output' and 'LPCM'.

1. In 'AUDIO SETUP PAGE', press ▲▼ to highlight {DIGITAL AUDIO}, then press ►.
2. Press the ▲▼ keys to highlight an option.
3. Enter its submenu by pressing ►.
4. Move the cursor by pressing the ▲▼ keys to highlight the selected item.

Digital Output
Set the Digital output according to your optional audio equipment connection.
➜ **SPDIF Off**: Turn off the digital output.
➜ **All**: If you have connected your DIGITAL AUDIO OUT to a multi-channel decoder/receiver.
➜ **PCM Only**: Only if your receiver is not capable of decoding multi-channel audio.

Helpful Hints:
– *If DIGITAL OUTPUT is set to 'All', all audio settings except MUTE are invalid.*

TIPS: To return to the previous menu, press ◄.
To remove the menu, press **SYSTEM MENU**.

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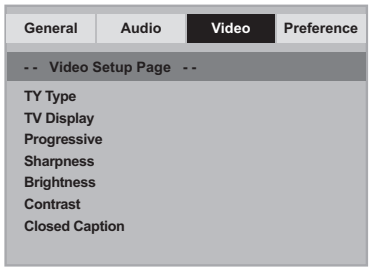
LPCM Output

If you connect the DVD Player to a PCM compatible receiver via the digital terminals, such as coaxial or optical etc, you may need to adjust 'LPCM'.
Discs are recorded at a certain sampling rate. The higher the sampling rate, the better the sound quality.

➜ **48kHz**: Playback a disc recorded at the sampling rate of 48kHz.
➜ **96kHz**: Playback a disc recorded at the sampling rate of 96kHz.

Video Setup Menu

1. In disc mode, press **SYSTEM MENU**.
2. Press ◀ ▶ to select 'Video Setup' icon.
3. Press **OK** to confirm.



TV Type

This menu contains the options for selecting the colour system that matches the connected TV. For details, see page 18.

TIPS: To return to the previous menu, press ◀.
To remove the menu, press **SYSTEM MENU**.

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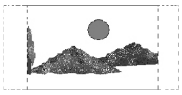
DVD Setup Menu Options

English

Setting the TV Display

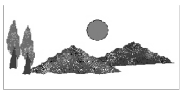
Set the aspect ratio of the DVD Player according to the TV you have connected. The format you select must be available on the disc. If it is not, the setting for TV display will not affect the picture during playback.

1. In 'VIDEO SETUP PAGE', press ▲▼ to highlight {TV DISPLAY}, then press ▶.
2. Press ▲ ▼ to highlight one of the options below:



4:3 PAN SCAN – Select this if you have a normal TV and want both sides of the picture to be trimmed or formatted to fit your TV screen.

4:3 LETTER BOX – Select this if you have a normal TV. In this case, a wide picture with black bands on the upper and lower portions of the TV screen will be displayed.



16:9 – Select this if you have a wide-screen TV.

3. Select an item and press **OK**.

Progressive - turning on/off

In the progressive scan mode, you can enjoy the high quality picture with less flickers. It only works when you have connected the DVD player's Y Pb Pr jacks to your TV that supports the progressive video input. Otherwise, the a distorted picture will appear on the TV. For proper progressive scan set up, see page 17.

1. In 'VIDEO SETUP PAGE', press ▲ ▼ to highlight {PROGRESSIVE}, then press ▶.

OFF
To disable Progressive Scan function.

ON
To enable Progressive Scan function.

2. Press ▲ ▼ to select a setting, then press **OK** to confirm your selection.
➜ Follow the instructions shown on the TV to confirm the selection (if any).
➜ If a distorted picture appears on the TV screen, wait for 15 seconds for auto recovery.

TIPS: To return to the previous menu, press ◀.
To remove the menu, press **SYSTEM MENU**.

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Sharpness

You can personalize your picture colour by adjusting sharpness.

1. In 'VIDEO SETUP PAGE', press ▲ ▼ to highlight {SHARPNESS}, then press ▶.

HIGH
Choose high to make the picture's edge sharper.

MEDIUM
Choose medium to get a standard picture.

LOW
Choose low to make the picture's edge softer.

2. Press ▲ ▼ to select a setting, then press **OK** to confirm your selection.

Brightness / Contrast

Increasing the value will brighten the picture or vice versa. Choose zero (0) for average setting.

1. In 'VIDEO SETUP PAGE', press ▲ ▼ to highlight {BRIGHTNESS} or {CONTRAST}, then press ▶.
   ➜ The menu appears.

2. Press ◀ ▶ to adjust the setting that best suit your personal preference.
3. Press **OK** to confirm.

TIPS: To return to the previous menu, press ◀.
To remove the menu, press **SYSTEM MENU**.

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DVD Setup Menu Options

Closed Captions

Closed captions are data that are hidden in the video signal of some discs. Captions are different from subtitles because captions hearing are impaired by showing the sound effects (e.g., "phone ringing" and "footsteps"), while subtitles do not. Before you select this function, please ensure that the disc contains closed captions information and your TV set also has this function.

1. In 'VIDEO SETUP PAGE', press ▲ ▼ to highlight {CLOSED CAPTION}, then press ▶.

   ON
   Select this to activate the closed caption feature.

   OFF
   Select this deactivate the feature.

2. Press ▲ ▼ to select a setting, then press **OK** to confirm your selection.

TIPS: To return to the previous menu, press ◀.
To remove the menu, press **SYSTEM MENU**.

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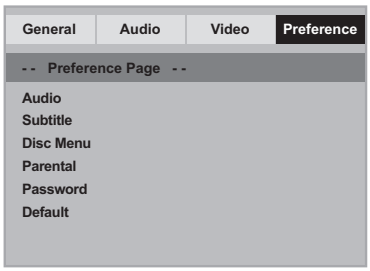
DVD Setup Menu Options

English

Preference Page

1. Press ■ twice to stop playback (if any), then press **SYSTEM MENU**.
2. Press ◄► to select the 'Preference Page' icon.
3. Press **OK** to confirm.



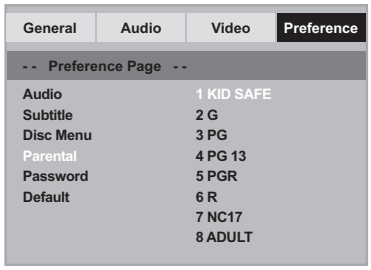
Audio, Subtitle, Disc Menu

These menus contain various language options for audio, subtitle and disc menu which may be recorded on the DVD. For details, see page 19.

Restricting playback by Parental Control

Some DVDs may have a parental level assigned to the complete disc or to certain scenes on the disc. This feature lets you set a playback limitation level. The rating levels are from 1 to 8 and are country dependent. You can prohibit the playing of certain discs that are not suitable for your children or have certain discs played with alternative scenes.

1. In 'PREFERENCE PAGE', press ▲▼ to highlight {PARENTAL}, then press ►.



2. Press ▲▼ to highlight a rating level for the disc inserted and press **OK**.
   ➜ To disable Parental controls and have all Discs play, select {8 ADULT}.
3. Use the **numeric keypad (0-9)** to enter the six-digit password (see page 32 "Changing the password").
   ➜ DVDs that are rated above the level you selected will not play unless you enter your six-digit password.

Helpful Hints:
– VCD, SVCD, CD have no level indication, so parental control function has no effect on these type of discs. This applies to most illegal DVD discs.
– Some DVDs are not encoded with a rating though the movie rating may be printed on the Disc cover. The rating level feature does not work for such Discs.

TIPS: To return to the previous menu, press ◄.
To remove the menu, press **SYSTEM MENU**.

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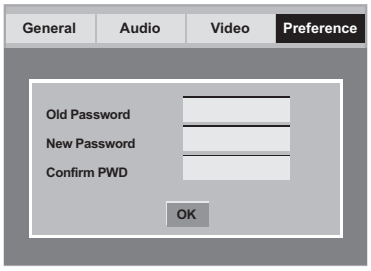
English

Changing the Password

This feature is used for Parental Control. Enter your six-digit password when prompted on the screen. The default password is 136900.

1. In 'PREFERENCE PAGE', press ▲ ▼ to highlight {PASSWORD}, then press ▶ to select {CHANGE}.



2. Use the **numeric keypad (0-9)** to enter your old six-digit password.
   ➜ When doing this for the first time, key in '136900'.
   ➜ If you forget your old six-digit password, key in '136 900'.
3. Enter the new six-digit password.
4. Enter the new six-digit password a second time to confirm.
   ➜ The new six-digit password will now take effect.
5. Press **OK** to confirm.

Restoring to original settings

Setting the DEFAULT function will reset all options and your personal settings to the factory defaults, except your password for Parental Control.

1. In 'PREFERENCE PAGE', press ▲ ▼ to highlight {DEFAULT}, then press ▶ to select {RESET}.
2. Press **OK** to confirm.
   ➜ All settings will now reset to factory defaults.

TIPS: To return to the previous menu, press ◀.
To remove the menu, press **SYSTEM MENU**.

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Specifications

English

TV STANDARD (PAL/50Hz) (NTSC/60Hz)

Number of lines	625	525
Playback	Multistandard	(PAL/NTSC)

VIDEO PERFORMANCE

DA Converter	12 bit, 108 mHz
YPbPr	0.7 Vpp — 75 ohm
Video Output	1Vpp — 75 ohm

VIDEO FORMAT

Digital Compression	MPEG 2 for DVD,SVCD MPEG 1 for VCD	
DVD	**50Hz**	**60Hz**
Horiz. resolution	720 pixels	720 pixels
Vertical resolution	576 lines	480 lines
VCD	**50Hz**	**60Hz**
Horiz. resolution	352 pixels	352 pixels
Vertical resolution	288 lines	240 lines

AUDIO FORMAT

Digital	MPEG/ AC-3/ PCM	compressed Digital 16, 20, 24 bits fs, 44.1, 48, 96 kHz
	MP3(ISO 9660)	96, 112, 128, 256 kbps & variable bit rate fs, 32, 44.1, 48 kHz

Analog Sound Stereo
Dolby Surround compatible downmix from Dolby Digital multi-channel sound

AUDIO PERFORMANCE

DA Converter	24 bit, 192 kHz	
DVD	fs 96 kHz	4Hz- 44kHz
	fs 48 kHz	4Hz- 22kHz
SVCD	fs 48 kHz	4Hz- 22kHz
	fs 44.1kHz	4Hz- 20kHz
CD/VCD	fs 44.1kHz	4Hz- 20kHz
Signal-Noise (1kHz)		> 90 dB
Dynamic range(1kHz)		> 80 dB
Crosstalk (1kHz)		> 70 dB
Distortion/noise (1kHz)		> 70 dB
MPEG MP3	MPEG Audio L3	

CONNECTIONS

YPbPr Output	Cinch 3x
Video Output	Cinch (yellow)
Audio Output(L+R)	Cinch (white/red)
Digital Output	1 coaxial IEC60958 for CDDA / LPCM IEC61937 for MPEG 1/2, Dolby Digital

CABINET

Dimensions (w x h x d)	435 x 37 x 265 mm
Weight	Approximately 2.0 kg

POWER CONSUMPTION

Power Supply Rating	120V; 60Hz
Power consumption	< 10 W
Power consumption in Standby mode	< 0.8 W

Specifications subject to change without prior notice

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Troubleshooting

English

WARNING
Under no circumstances should you try to repair the system yourself, as this will invalidate the warranty. Do not open the system as there is a risk of electric shock.

If a fault occurs, first check the points listed below before taking the system for repair. If you are unable to remedy a problem by following these hints, consult your dealer or Philips for help.

Problem	Solution
No power	– Check if the AC power cord is properly connected. – Press the STANDBY ON on the front of the DVD system to turn on the power.
No picture	– Refer to your TV's manual for correct Video In channel selection. Change the TV channel until you see the DVD screen. – Check if the TV is switched on. – If the progressive scan feature is activated but the connected TV does not support progressive signals or the cables are not connected accordingly, see page 18 for proper progressive scan set up or deactivate the progressive scan feature as below: 1) Turn off your TV progressive scan mode or turn on to interlaced mode. 2) Press OPEN/CLOSE to open the disc tray. 3) Press numeric keypad '1' on the remote control for few seconds.
Distorted picture	– Sometimes a small amount of picture distortion may appear depending on the disc being played back. This is not a malfunction.
Completely distorted picture or black/white picture with DVD	– Connect DVD Player directly to the TV. – Make sure the disc is compatible with the DVD/ Player. – Ensure that the DVD Player's TV Type is set to match that of the Disc and your TV.
No sound or distorted sound	– Adjust the volume. – Check that the speakers are connected correctly.
No audio at digital output	– Check the digital connections. – Check if your receiver can decode MPEG-2 or DTS and if not, please make sure the digital output is set to PCM. – Check if the audio format of the selected audio language matches your receiver capabilities.

Visit us at www.usasupport.philips.com for service support

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Troubleshooting

English

Problem	Solution
Disc can't be played	– The DVD+R/CD-R must be finalised. – Ensure the disc label is facing up. – Check if the disc is defective by trying another disc. – If you have recorded a Picture CD or MP3 CD yourself, ensure that your disc contains at least 10 pictures or 5 MP3 tracks. – Region code incorrect.
Picture freezes momentarily during playback	– Check the disc for fingerprints/scratches and clean with a soft cloth wiping from centre to edge.
No return to start-up screen when disc is removed	– Reset the unit by switching the player off, then on again.
The player does not respond to the Remote Control	– Aim the Remote Control directly at the sensor on the front of the player. – Reduce the distance to the player. – Replace the batteries in the Remote Control. – Re-insert the batteries with their polarities (+/– signs) as indicated.
Buttons do not work	– To completely reset the player, unplug the AC cord from the AC outlet for 5-10 seconds.
Player does not respond to some operating commands during playback.	– Operations may not be permitted by the disc. Refer to the instructions of the disc jacket.
DVD Player cannot read CDs/DVDs	– Use a commonly available cleaning CD/DVD to clean the lens before sending the DVD Player for repair.
Menu items cannot be selected	– Press STOP twice before selecting System Menu. – Depending on the disc availability, some menu items cannot be selected.
Unable to select Progressive Scan on/off	– Check that the output of the video signal is switch to 'YUV'.

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Glossary

English

Analog: Sound that has not been turned into numbers. Analog sound varies, while digital sound has specific numerical values. These jacks send audio through two channels, the left and right.

Aspect ratio: The ratio of vertical and horizontal sizes of a displayed image. The horizontal vs. vertical ratio of conventional TVs. is 4:3, and that of wide-screens is 16:9.

AUDIO OUT Jacks: Jacks on the back of the DVD System that send audio to another system (TV, Stereo, etc.).

Bit Rate: The amount of data used to hold a given length of music; measured in kilobits per seconds, or kbps. Or, the speed at which you record. Generally, the higher the bit rate, or the higher the recording speed, the better the sound quality. However, higher bit rates use more space on a Disc.

Chapter: Sections of a picture or a music piece on a DVD that are smaller than titles. A title is composed of several chapters. Each chapter is assigned a chapter number enabling you to locate the chapter you want.

Component Video Out Jacks: Jacks on the back of the DVD System that send high-quality video to a TV that has Component Video In jacks (R/G/B, Y/Pb/Pr, etc.).

Disc menu: A screen display prepared for allowing selection of images, sounds, subtitles, multi-angles, etc recorded on a DVD.

Digital: Sound that has been converted into numerical values. Digital sound is available when you use the DIGITAL AUDIO OUT COAXIAL or OPTICAL jacks. These jacks send audio through multiple channels, instead of just two channels as analog does.

Dolby Digital: A surround sound system developed by Dolby Laboratories containing up to six channels of digital audio (front left and right, surround left and right, center and subwoofer).

DTS: Digital Theatre Systems. This is a surround sound system, but it is different from Dolby Digital. The formats were developed by different companies.

JPEG: A very common digital still picture format. A still-picture data compression system proposed by the Joint Photographic Expert Group, which features small decrease in image quality in spite of its high compression ratio.

MP3: A file format with a sound data compression system. "MP3" is the abbreviation of Motion Picture Experts Group 1 (or MPEG-1) Audio Layer 3. By using MP3 format. one CD-R or CD-RW can contain about 10 times as much data volume as a regular CD can.

Multichannel: DVD is specified to have each sound track constitute one sound field. Multichannel refers to a structure of sound tracks having three or more channels.

Parental Control: A function of the DVD to limit playback of the disc by the age of the users according to the limitation level in each country. The limitation varies from disc to disc; when it is activated, playback will be prohibited if the software's level is higher than the user-set level.

PCM (Pulse Code Modulation): A system for converting analog sound signal to digital signal for later processing, with no data compression used in conversion.

Playback control (PBC): Refers to the signal recorded on video CDs or SVCDs for controlling reproduction. By using menu screens recorded on a Video CD or SVCD that supports PBC, you can enjoy interactive-type software as well as software having a search function.

Progressive Scan: It displays all the horizontal lines of a picture at one time, as a signal frame. This system can convert the interlaced video from DVD into progressive format for connection to a progressive display. It dramatically increases the vertical resolution.

Region code: A system for allowing discs to be played back only in the region designated beforehand. This unit will only play discs that have compatible region codes. You can find the region code of your unit by looking on the product label. Some discs are compatible with more than one region (or ALL regions).

Title: The longest section of a picture or music feature on DVD, music, etc., in video software, or the entire album in audio software. Each title is assigned a title number enabling you to locate the title you want.

VIDEO OUT jack: Jack on the back of the DVD System that sends video to a TV.

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PHILIPS LIMITED WARRANTY

Ninety (90) Days Free Product Exchange
Ninety-One (91) Days-One (1) Year Reduced-Cost Exchange

PHILIPS CONSUMER ELECTRONICS warrants this product against defect in material or workmanship, subject to any conditions set forth as follows:

PROOF OF PURCHASE:
You must have proof of the date of purchase to exchange the product. A sales receipt or other document showing the product and the date that you purchased the product as well as the authorized retailer included, is considered such proof.

COVERAGE:
Warranty coverage begins the day you buy your product. For a period of ninety (90) days from the date of purchase, if the product is determined to be defective, Philips will exchange the defective product with a new or renewed product, at its option, at no charge.
From ninety-one (91) days to one year from the date of purchase, you will pay a preset exchange fee to obtain a new or renewed product. Contact the Customer Care Center for limited exchange pricing. This exchange opportunity ends one year after the date of purchase. The replacement product is covered only for the warranty period of the original product. When the warranty on the original product expires, the warranty on all replaced products also expires. When it is necessary for you to ship the product to Philips for exchange, you will pay the shipping cost for shipment to Philips. Philips will pay the shipping costs when returning a product to you.

Note: The exchange model supplied will be the most comparable one in Philips current inventory. Shipping of your product to Philips implies intent to follow the specified requirements of the warranty and exchange program. Product received by Philips cannot be returned. Replacement product can only be sent if all warranty requirements are met. Failure to follow all requirements can result in delay of exchange process.

EXCLUDED FROM WARRANTY COVERAGE
Your warranty does not cover:
- Shipping charges to return defective product.
- Labor charges for installation or setup of the product, adjustment of customer controls on the product, and installation or repair of antenna systems outside of the product.
- Product repair and/or part replacement because of improper installation, connections to improper voltage supply, abuse, neglect, misuse, accident, unauthorized repair or other cause not within the control of Philips.
- Damage occurring to product during shipping when improperly packaged or cost associated with packaging.
- A product that requires modification or adaptation to enable it to operate in any country other than the country for which it was designed, manufactured, approved and/or authorized, or repair of products damaged by these modifications.
- A product used for commercial or institutional purposes (including but not limited to rental purposes).
- Product lost in shipment and no signature verification receipt can be provided.
- Products sold AS IS or RENEWED.

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Exchange is available in all countries where Philips officially distributes the product. In countries where Philips does not distribute the product, the local Philips organization will attempt to exchange the product, although there may be a delay if the appropriate product is not readily available, or special customs processes are implied.

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